

FILE NOTATIONS

Entered in NID File

☒

Entered On S R Sheet

☒

Location Map Pinned

☒

Card Indexed

☒

f W R for State or Fee Land

☒

Checked by Chief

PMB

Copy NID to Field Office

☒

Approval Letter

☐

Disapproval Letter

☐

COMPLETION DATA:

Date Well Completed

10-10-64

Location Inspected

☐

OW _____ WW _____ TA _____

Bond released

☐

GW _____ OS _____ PA ☒

State of Fee Land

☐

LOGS FILED

Driller's Log

10-26-64

Electric Logs (No.)

2

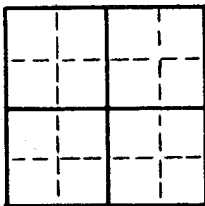
E _____ I _____ E-I _____ GR _____ GR-N _____ Micro _____

Lat *L* Mi *L* Sonic *GR* Others _____

Subsequent Report of Abandonment

(SUBMIT IN DUPLICATE)

LAND:



STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION
SALT LAKE CITY, UTAH

Fee and Patented.....☒ XX
State☐
Lease No.
Public Domain☐
Lease No.
Indian☐
Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Drill.....	<input checked="" type="checkbox"/>	Subsequent Report of Water Shut-off.....	
Notice of Intention to Change Plans.....	<input type="checkbox"/>	Subsequent Report of Altering Casing.....	
Notice of Intention to Redrill or Repair.....	<input type="checkbox"/>	Subsequent Report of Redrilling or Repair.....	
Notice of Intention to Pull or Alter Casing.....	<input type="checkbox"/>	Supplementary Well History.....	
Notice of Intention to Abandon Well.....	<input type="checkbox"/>		
	<input type="checkbox"/>		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Cortez, Colorado June 16, 19 64

Crittenden "A"
Well No. 1 is located 1980 ft. from ~~XXX~~ {S} line and 1980 ft. from {E} {XX} line of Sec. 21

C NW SE/4 Sec. 21 35S 25E S.L.M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Wildcat San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~production floor~~ ungraded ground above sea level is 6538 feet.

A drilling and plugging bond has been filed with

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important work, surface formation, and date anticipate spudding-in.)

Drill 22" hole to approximately 100'. Set 16" casing and cement to surface. Drill 13-3/4" hole to approximately 1500', set 10-3/4" casing and cement to surface. Drill 8-3/4" hole to approximately 7700'. If production is found, set 5-1/2" casing, through productive zone and cement from T.D. to 200' above Ismay formation. Expected depths of objective sands:

Mississippian @ 6675'; McCracken @ 7150'. Anticipate spudding date is June 30, 1964.

I understand that this plan of work must receive approval in writing by the Commission before operations may be commenced.

Company PHILLIPS PETROLEUM COMPANY

Address P. O. Drawer 1150

Cortez, Colorado

By

C. M. Boles

Title Area Superintendent

INSTRUCTIONS: A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells, within an area of sufficient size so that the Commission may determine whether the location of the well conforms to applicable rules, regulations and orders.

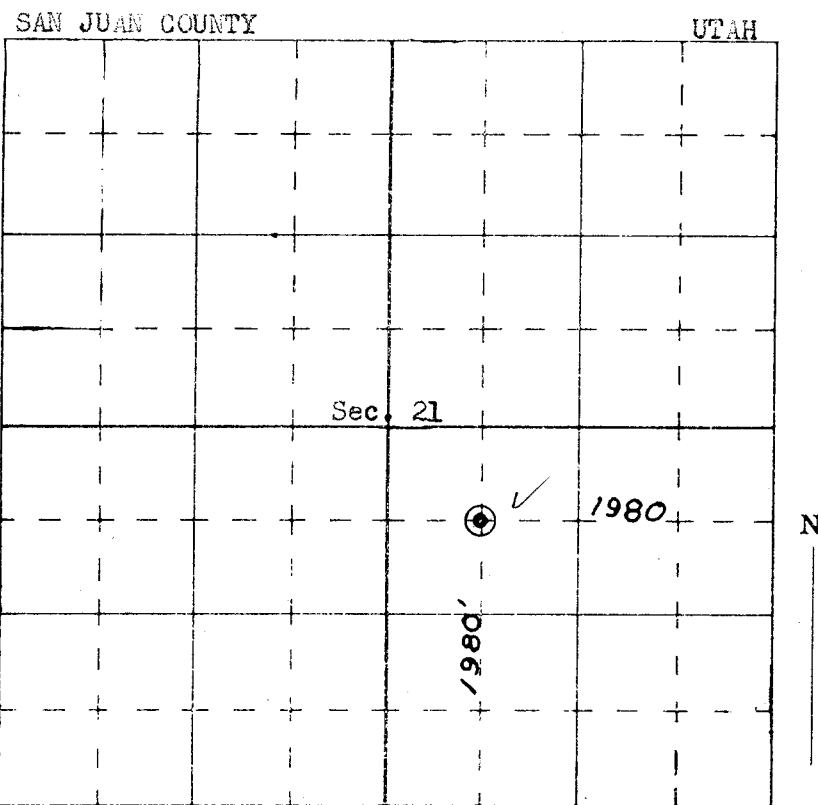
COMPANY PHILLIPS PETROLEUM COMPANY

LEASE _____ WELL NO. _____

SEC. 21 T. 35 SOUTH R. 25 EAST, S. L. M.

LOCATION 1980' FROM THE SOUTH AND 1980' FROM THE EAST LINE

ELEVATION 6538.0' ground level



SCALE—4 INCHES EQUALS 1 MILE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTE OF ACTUAL SURVEYS MADE BY ME UNDER MY SUPER-
VISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

SEAL:

James P. Leese
Registered Land Surveyor.

James P. Leese
Utah Reg. No. 1472

SURVEYED _____ 19__

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.

June 18, 1964

Phillips Petroleum Company
P. O. Drawer 1150
Cortez, Colorado

Attention: Mr. C. M. Boles, Area Superintendent

Re: Notice of Intention to Drill Well No.
CRITTENDEN FEE "A"-#1, 1980' FSL &
1980' FSL, C NW SE of Section 21, T.
35 S., R. 25 E., SLM, San Juan County,
Utah.

Gentlemen:

Insofar as this office is concerned, approval to drill is hereby granted.

As soon as you have determined that it will be necessary to plug and abandon the above mentioned well, you are hereby requested to immediately notify the following:

PAUL W. BURCHIELL, Chief Petroleum Engineer
Office: DA 8-5771 or DA 8-5772
Home: CR 7-2890 - Salt Lake City, Utah

This approval terminates within 90 days if this well has not been spudded within said period.

Enclosed please find Form OGCC-8-X, which is to be completed if water sands (aquifers) are encountered while drilling, particularly assessable near surface water sands. Your cooperation with respect to completing this form will be greatly appreciated.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT
EXECUTIVE DIRECTOR

CBF:kgw

cc: H. L. Coonts, Pet. Eng., Oil & Gas Conservation Commission, Moab, Utah

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION
State Capitol Building
Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County San Juan Field or Lease Coal Bed Canyon Field
Crittenden "A" Lease

The following is a correct report of operations and production (including drilling and producing wells) for

June, 1964

Agent's address Box 1150 Company Phillips Petroleum

Cortez, Colorado Signed C. M. Boles

Phone Area Code 303 565-3426 Agent's title Area Superintendent

State Lease No. Federal Lease No. Indian Lease No. Fee & Pat. ☒

Sec. & 1/4 of 1/4	Twp.	Range	Well No.	*Status	Oil Bbls.	Water Bbls.	Gas MCF's	REMARKS (If drilling, Depth; if shut down, Cause; Date & Results of Water Shut-Off Test; Contents of Gas; and Gas-Oil Ratio Test)
NW, SE 21	35S	25E	1	-	-	-	-	Rigging up rotary to drill 7700' Devonian McCracken test.

NOTE: Report on this form as provided
for in Rule C-22. (See back of form.)

FILE IN DUPLICATE

*STATUS: F-Flowing P-Pumping GL-Gas Lift
SI-Shut In D-Dead
GI-Gas Injection TA-Temp. Aban.
WI-Water Injection

*STATUS: F-Flowing P-Pumping GL-Gas Lift
SI-Shut In D-Dead
GI-Gas Injection TA-Temp. Aban.
WI-Water Injection

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION
Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County San Juan Field or Lease Coal Bed Canyon Field
Crittenden "A" Lease

The following is a correct report of operations and production (including drilling and producing wells) for

August, 1964.

Agent's address Drawer 1150
Cortez, Colorado 81321

Company Phillips Petroleum Company

Signed C. M. Boles

C. M. Boles

Phone 303+565-3426

Agent's title Area Superintendent

State Lease No. Federal Lease No. Indian Lease No. Fee & Pat. ☐

Sec. & ¼ of ¼	Twp.	Range	Well No.	*Status	Oil Bbls.	Water Bbls.	Gas MCF's	REMARKS (If drilling, Depth; if shut down, Cause; Date & Results of Water Shut-Off Test; Contents of Gas; and Gas-Oil Ratio Test)	
								No. of Days Produced	
NW, SE	35S	25E	1	-	-	-	-	-	6614 Drilling ✓

NOTE: Report on this form as provided
for in Rule C-22. (See back of form.)

FILE IN DUPLICATE

*STATUS: F-Flowing P-Pumping GL-Gas Lift
SI-Shut In D-Dead
GI-Gas Injection TA-Temp. Aban.
WI-Water Injection

QMK

For

Crittenden "A" Lease

September, 1964.

PHILLIPS PETROLEUM COMPANY

Signed C. M. Boles
C. M. Boles

Area Superintendent

Fee & Pat. ☒

Q^A

*STATUS: F-Flowing P-Pumping GL-Gas Lift
SI-Shut In D-Dead
GI-Gas Injection TA-Temp. Aban.
WI-Water Injection

U

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION
Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County San Juan Field or Lease Coal Bed Canyon Field
Crittenden "A" Lease

The following is a correct report of operations and production (including drilling and producing wells) for

October, 19 64

Agent's address P. O. Drawer 1150 Company Phillips Petroleum

Cortez, Colorado

Signed C. M. Boles

C. M. Boles

Phone 303+565-3426 Agent's title Area Superintendent

State Lease No. Federal Lease No. Indian Lease No. Fee & Pat. ☒

Sec. & 1/4 of 1/4	Twp.	Range	Well No.	*Status	Oil Bbls.	Water Bbls.	Gas MCF's	REMARKS (If drilling, Depth; if shut down, Cause; Date & Results of Water Shut-Off Test; Contents of Gas; and Gas-Oil Ratio Test)
NW, SE 21	35S	25E	1	-	-	-	-	No. of Days Produced Drilled to 7681' T.D. Dry Hole - Well plugged and abandoned 10-10-64.

NOTE: Report on this form as provided
for in Rule C-22. (See back of form.)

FILE IN DUPLICATE

*STATUS: F-Flowing P-Pumping GL-Gas Lift
SI-Shut In D-Dead
GI-Gas Injection TA-Temp. Aban.
WI-Water Injection

State of Company Philips Pet. Co. Verbal Approval Given By: Frank Lane
 Well Name: Crittenden ^{→ See} A-1 Sec. 21 T. 35S R. 25E County San Juan

Verbal Approval was given to plug the above mentioned well in the following manner:

T.D. 7679 - $10\frac{3}{4}$ " @ 1604 ft

2 DST - Mess and McCracken ⁶⁵²¹⁻⁶⁵⁹⁶ → tight and dry
⁷⁰⁴⁵⁻⁷¹³⁵

No water & lower on oil & gas shown

Elect Log: Wiggins - 1608

Chenji - 1935

Cutter - 2610 → 60 ft of Porosity

(no De Chellor) 3640 → tight no porosity

Nemore - 5224 → Tight - no porosity

Desert Creek - 5423

Salt ty - 5525 (700 ft of salt - lots of shale)

Mess - 6530

McCracken - 7045

Armed - 7105

6475

2660

3815 → open hole
 (tight)

(1) 7000 - 7100

(2) 6475 - 6580

(3) 2560 - 2660

(4) 50 in. of 50 in. at 1604 (1550-1650)

(5) 10 in. (marker)

Date Verbally Approved: Oct 9, 1964

Signed: Paul H. Burdell

(SUBMIT IN DUPLICATE)

LAND:

Crittenden "A"

Fee and Patented.....☒State☐

Lease No.

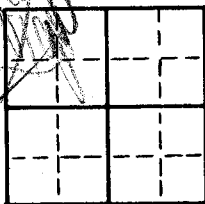
Public Domain☐

Lease No.

Indian☐

Lease No.

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION
 SALT LAKE CITY, UTAH



SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Drill.....	Subsequent Report of Water Shut-off.....
Notice of Intention to Change Plans.....	Subsequent Report of Altering Casing.....
Notice of Intention to Redrill or Repair.....	Subsequent Report of Redrilling or Repair.....
Notice of Intention to Pull or Alter Casing.....	Supplementary Well History.....
Notice of Intention to Abandon Well.....	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Cortez, Colorado.....October 13....., 19.64.....

Crittenden "A"

Well No. 1 is located 1980 ft. from XXS line and 1980 ft. from E line of Sec. 21

SE/4 Sec. 21 35S 25E S.I.M.

(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Coal Bed Canyon San Juan Utah

(Field) (County or Subdivision) (State or Territory)

ungraded ground

The elevation of the ~~drill floor~~ above sea level is 6538 feet.

A drilling and plugging bond has been filed with

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important work, surface formation, and date anticipate spudding-in.)

Well has been drilled to T.D. of 7681 ft. and no commercial shows of oil or gas encountered. Dry hole to be plugged as follows:

Fill hole with heavy mud laden fluid. Spot approximately 100' cement plugs at 7100-7000', 6580-6480', 2660-2560', 1650-1550' and 40' cement plug at 0-40' per verbal approval by telephone October 9, 1964, Paul W. Burchell to Frank R. Davis.

I understand that this plan of work must receive approval in writing by the Commission before operations may be commenced.

Company PHILLIPS PETROLEUM COMPANY

Address P. O. Drawer 1150

Cortez, Colorado 81321

By C. M. Boles

C. M. Boles

Title Area Superintendent

INSTRUCTIONS: A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells, within an area of sufficient size so that the Commission may determine whether the location of the well conforms to applicable rules, regulations and orders.

Copy 14c

PMB

FORM OGCC-2

STATE OF UTAH
OIL AND GAS CONSERVATION COMMISSION
AFFIDAVIT AND RECORD OF ABANDONMENT AND PLUGGING

PLUGGING METHODS AND PROCEDURE: -The methods and procedure for plugging a well shall be as follows:

- (a) The bottom of the hole shall be filled to, or a bridge shall be placed at the top of each producing formation open to the well bore, and in either event a cement plug not less than fifty (50) feet in length shall be placed immediately above each producing formation open to the well bore whenever possible.
- (b) A cement plug not less than fifty (50) feet in length shall be placed at approximately fifty (50) feet above and below all fresh water bearing strata.
- (c) A plug shall be placed at or near the surface of the ground in each hole.
- (d) The interval between plugs shall be filled with heavy mud laden fluid.
- (e) The hole shall be plugged with heavy mud up to the base of the surface string at which point a plug of not less than fifty (50) feet of cement shall be placed.

Field or Pool Coal Bed Canyon County San Juan

Lease Name Crittenden "A" Well No. 1 Sec. 21 Twp. 35S

Range 25E Date well was plugged: October 10, 19 64

Was the well plugged according to regulation of the Commission? Yes

Set out method used in plugging the well, the nature and quantities of materials used in plugging, size of plugs, location and extent (by depths) of the plugs of different materials, and the amount of casing left in hole. (giving size, top and bottom elevations of each section of abandoned casing.)

Filled hole with heavy mud laden material; spotted cement plugs as follows:

45 sx. 7100-7000', 45 sx. 6580-6480'; 70 sx. 2660-2560', 60 sx. 1650-1550',
10 sx. 0-40'. Installed permanent well marker at surface. 16" OD casing set at
120 RKB. Top elevation of 16" is 6543'. Bottom elevation is 6436'.
10-3/4" OD casing set at 1605' RKB. Top elevation of 10-3/4" is 6543'.
Bottom elevation is 4951'.

Operator PHILLIPS PETROLEUM COMPANY
 Address P. O. Drawer 1150, Cortez, Colorado

C. M. Boles
 C. M. Boles, Area Superintendent

AFFIDAVIT

STATE OF ~~UTAH~~ COLORADO

COUNTY OF MONTEZUMA

Before me, the undersigned authority, on this day personally appeared C. M. Boles, known to me to be the person whose name is subscribed to the above instrument who being by me duly sworn on oath states that he is authorized to make this report and has knowledge of the facts stated herein and that said report is true and correct.

Subscribed and sworn to before me this 13th day of October, 19 64

My Commission Expires:

My Commission Expires June 11, 1966

L. M. Runda
 NOTARY

INSTRUCTIONS: Complete this form in duplicate and mail both copies to the Oil & Gas Conservation Commission, Room 140, State Capitol Building, Salt Lake City, Utah.

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION
310 NEWHOUSE BUILDING
SALT LAKE CITY 11, UTAH

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number: Crittenden "A" #1
Operator Phillips Petroleum Address Box 1150, Cortez, Colo. Phone 303+565-3426
Contractor Moran Bros, Inc. Address 1200 Oil & Gas Bldg. Phone Wichita Falls, Tex
Location: NW 1/4 SE 1/4 Sec. 21 T. 35 N R. 25 E San Juan County, Utah.
Water Sands: Navajo and Wingate

<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
<u>From</u>	<u>To</u>	<u>Flow Rate or Head</u>	<u>Fresh or Salty</u>
1.	<u>No tests taken of any water flows</u>		
2.			
3.			
4.			
5.			

(Continued on reverse side if necessary)

Formation Tops:

Navajo 1200
Wingate 1680

Remarks:

NOTE: (a) Upon diminishing supply of forms, please inform the Commission
(b) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure. (See back of form)

(SUBMIT IN DUPLICATE)

LAND:
Crittenden "A"Fee and Patented.....☒State☐

Lease No.

Public Domain☐

Lease No.

Indian☐

Lease No.

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION
SALT LAKE CITY, UTAH

SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Drill.....	Subsequent Report of Water Shut-off.....	
Notice of Intention to Change Plans.....	Subsequent Report of Altering Casing.....	
Notice of Intention to Redrill or Repair.....	Subsequent Report of Redrilling or Repair.....	
Notice of Intention to Pull or Alter Casing.....	Supplementary Well History.....	
Notice of Intention to Abandon Well.....	Subsequent Report of Abandonment & Plugging.....	X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Crittenden "A"

Cortez, Colorado November 23, 1965

Well No. 1 is located 1980 ft. from ~~XX~~ line and 1980 ft. from ~~XX~~ line of Sec. 21

SE/4 Sec. 21

35S

25E

S.L.M.

(1/4 Sec. and Sec. No.)

(Twp.)

(Range)

(Meridian)

Coal Bed Canyon

San Juan

Utah

(Field)

(County or Subdivision)

(State or Territory)

ungraded ground

The elevation of the ~~surface floor~~ above sea level is 6538 feet.

A drilling and plugging bond has been filed with

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important work, surface formation, and date anticipate spudding-in.)

Filled hole with heavy mud laden material; spotted cement plugs as follows:
45 sacks 7100-7000'; 45 sacks 6580-6480'; 70 sacks 2660-2560'; 60 sacks 1650-1550';
10 sacks 0-40'. Installed permanent well marker at surface. 16" OD casing set
at 120 RKB. Top elevation of 16" is 6543'. Bottom elevation is 6436'. 10-3/4" OD
casing set at 1605' RKB. Top elevation of 10-3/4" is 6543'. Bottom elevation is 4951'.
Plugged and abandoned October 10, 1964.

I understand that this plan of work must receive approval in writing by the Commission before operations may be commenced.

Company PHILLIPS PETROLEUM COMPANY

Address P. O. Drawer 1150

By C. M. Boles

Cortez, Colorado 81321

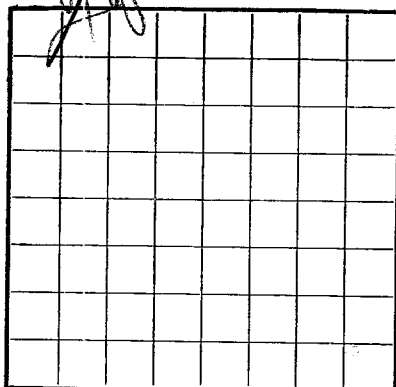
Title District Superintendent

INSTRUCTIONS: A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells, within an area of sufficient size so that the Commission may determine whether the location of the well conforms to applicable rules, regulations and orders.

STATE OF UTAH OIL & GAS CONSERVATION COMMISSION

State Capitol Building
Salt Lake City 14, Utah

To be kept Confidential until _____
(Not to exceed 4 months after filing date)



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Operating Company Phillips Petroleum Address Bartlesville, Oklahoma
Lease or Tract: Crittenden "A" Field Coal Bed Canyon State Utah
Well No. 1 Sec. 21 T. 35S R. 25E Meridian S.L.M. County San Juan
Location 1980 ft. N. of S Line and 1980 ft. W. of E Line of Sec. 21 Elevation 6553
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed C. M. Boles
Title Area Superintendent

Date October 22, 1964

The summary on this page is for the condition of the well at above date.

Commenced drilling July 3, 1964 Finished drilling October 8, 1964

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from _____ to _____ No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from Navajo 1200 to 1570 No. 3, from _____ to _____
No. 2, from Wingate 1680 to 1933 No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
16"	42#	1/4" Wall	Naylor	SWSJ 120	Howco				
10-3/4"	40.5#	8rd	J-55	215	Baker				
10-3/4"	32.75	8rd	H-40	1388					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
16"	120	175 sx 2% CC -	Displacement cement circ		
10-3/4"	1605.40	166 sx cement, 186 cu ft Halliburton Diacel D, 700# Walnut hulls, 88" Flocele followed w/100 sx cement 2% CC			

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set

Adapters—Material Size

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from 0 feet to 7681 feet, and from feet to feet

Cable tools were used from feet to feet, and from feet to feet

DATES

October 22, 1964 Plugged Put to producing October 10, 1964

The production for the first 24 hours was barrels of fluid of which % was oil; % emulsion; % water; and % sediment. Gravity, °Bé.

If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in.

EMPLOYEES

Moran Bros., Inc., Driller Driller
..... Driller Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
1200	1570	370	Navajo
1680	1933	253	Wingate
1933	2610	677	Chinle
2610	2695	85	Shinarump
2695	4240	1545	Cutler
4240	6460	2220	Hermosa
5224	5380	156	Ismay
5423	5470	47	Desert Creek
5495	6376	881	Top Salt
6460	6718	258	Mississippian
6718	6824	106	Ouray
6824	6992	168	Elbert
6992	7104	112	McCracken

OCT 16 1964

[OVER]

At the end of complete Driller's Log, add Geologic Tops. State whether from Electric Logs or samples.

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
7104	7249	145	Aneth
7249	7350	101	Ophir
7350	7681 T.D.	332	Tintic

WELL HISTORY

Spudded 8:00 A.M. July 3, 1964. Drilled 12-1/4" hole to 121'. Reamed 20" hole to 121'. Set and cemented 3 jts. of 16" OD, 42#, 1/4" Wall Naylor Spiral Weld Slip Joint casing at 120' with 175 sacks regular cement, 2% CC. Displaced cement to 120'. Circulated estimated 40 sx. to surface. Completed cementing 8:00 A.M. July 4, 1964. Waited on cement 18 hours. Drilled 15" hole to 1606'. Set and cemented 54 jts. 10-3/4" SS casing at 1605.40' RKB with 400 cu. ft. 20% Diacel "D" (166 sx. cement, 186 cu.ft. Diacel D) with 700# Walnut hulls and 88# Flocele, followed with 100 sx. regular cement with 2% Calcium Chloride. Pumped plug to 1575' with 500# maximum circulating pressure. Maximum pressure 1300#. Completed cementing 8:04 A.M. July 13, 1964. Waited on cement 12 hours and nipped up 10-3/4" casing. Tested casing and rams with 1000# for 30 minutes and held O.K.

Drilled 8-3/4" hole to 1890' - started losing returns, had complete loss at 1911'. Spotted 40 sacks Diacel "M" plug on bottom with 15#/bbl. lost circulation material. Regained circulation and drilled to 1920'. Started losing returns. Stuck Drill Pipe with bit at 1885' while attempting to pull up into casing and prepare for second Diacel "M" Plug. Mixed mud and lost circulation material and stopped mud loss.

Spotted oil, backed off, fished and recovered drill pipe. Drilled to 5684' and changed to salt base mud. Drilled 8-3/4" hole to 6618'. Cored 6618' to 6641', recovered 23'. Cored 6641 to 6696', recovered 55'. Reamed core hole to 8-3/4" and ran DST #1 of Mississippian 6521-6696'. 3/4" bottom choke and 1" top choke. Opened tool for 10 minutes initial flow. Slight blow. Closed tool for 30 minute initial shut in pressure. Opened tool for 30 minutes. Weak blow for 2 minutes. Closed tool 2 hours final shut in pressure. Came out of hole. Recovered 10' salt water cut mud. Bottom bomb ISIP 3675, IFP 115, FFP 115, ISIP 172, FSIP 201, Hydraulic mud 3675. Drilled 8-3/4" hole to 6819' and lost returns. Spotted 100 bbls mud and 25% Lost Circulation Material on bottom and regained circulation.

HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

Circulated and conditioned mud. Drilled 8-3/4" hole to 6830' and lost returns. Conditioned mud, established circulation and drilled 8-3/4" hole to 7058' and cored 7058'-79', recovered 20'. Reamed to 8-3/4" hole and drilled to 7135' and ran Drill Stem Test #2 of McCracken 7045-7135'. Opened tool 10 minutes initial flow. Slight blow. Closed tool for 30 minutes ISIP. Opened tool for 45 minutes, gas to surface in 10 minutes, sour smell, would not burn. Maximum build up 2#. Closed tool for 45 minutes. COOH. Recovered 215' gas cut mud, no oil show. ISIP 3846#, IFP 140#, FFP 140#, ISIP 1066#, FSIP 1150#. Mud 3846.

Drilled 8-3/4" hole to 7161', lost circulation. Mixed pit mud with 40% Lost Circulation Material and regained circulation. Drilled 8-3/4" hole to 7679'. Ran Schlumberger GR-Sonic and Laterlog. Corrected TD to 7681'. Rigged up Halliburton - laid cement plugs as follows:

7100-7000	45 sx.
6580-6480	45 sx.
2660-2560	70 sx.
1650-1550	60 sx.
0 - 40	10 sx.

Installed permanent marker. Plugged and abandoned and rig released 4:00 P.M. 10/10/64.